

WHAT IS CLAIMED IS:

1. A position location system, comprising:
non-DTV broadcast signals with synchronization from known transmitter locations;
an RF receiver for receiving said synchronization; and
means for calculating the location of said RF receiver using time differences provided by said synchronization.
2. The system of Claim 1, wherein said broadcast signals are present day analog signals with digital sub-carrier signals.
3. The system of Claim 1, wherein said broadcast signals are digital signals.
4. The system of Claim 3, wherein said digital signals are re-transmissions of satellite radio signals.
5. The system of Claim 1, wherein said RF receiver is incorporated in a cellular transceiver.
6. The system of Claim 5, wherein said cellular transceiver is a personal communicator.
7. The system of Claim 1, wherein said RF receiver receives at least three broadcast signals.
8. The system of Claim 1, wherein said broadcast signals further include a common time lock reference.

9. The system of Claim 1, wherein correction of non-time locked broadcast signals is provided by a local monitoring unit "LMU".

10. A position location system, comprising:
broadcast signals with synchronization from known re-transmitter locations;
an RF receiver for receiving said synchronization; and
means for calculating the location of said RF receiver using timing provided by said synchronization.

11. A method for locating an electronic device, comprising the steps of:
receiving non-DTV broadcast signals, said broadcast signals having a
synchronization signal; and
calculating the location of said RF receiver using time differences provided by
said synchronization.

12. The method of Claim 11, wherein said broadcast signals are present day
analog signals with digital sub-carrier signals.

13. The method of Claim 11, wherein said broadcast signals are digital
signals.

14. The method of Claim 13, wherein said digital signals are re-transmissions
of satellite radio signals.

15. The method of Claim 11, wherein said RF receiver is incorporated in a
cellular transceiver.

16. The method of Claim 11, wherein said cellular transceiver is a cellular
handset.

17. The method of Claim 11, wherein said RF receiver receives at least three broadcast signals.

18. The method of Claim 11, wherein said broadcast signals further include a common time lock reference.

19. The method of Claim 11, wherein correction of non-time locked broadcast signals is provided by a local monitoring unit "LMU".

20. A method for locating an electronic device, comprising the steps of:
receiving re-broadcast signals, said re-broadcast signals having a synchronization signal; and
calculating the location of said RF receiver using time differences provided by said synchronization and known locations of the transmitter of said re-broadcast signals.

21. An electronic apparatus, comprising:
an RF receiver for receiving synchronization from non-DTV broadcast signals transmitted from known locations and calculating the location of said RF receiver using time differences provided by said synchronization.

22. The apparatus of Claim 21, wherein said receiver is incorporated into a cellular transceiver.

23. The apparatus of Claim 22, wherein said known locations are provided by a lookup table in communication with said transceiver.

24. The apparatus of Claim 23, wherein said lookup table is in a server responsive to the transceiver.

25. The apparatus of Claim 23, wherein said lookup table is in said apparatus.

TI-33829 Page 29